EX-91121 Display Monitor
User Manual

Release Date	Revision
November 2005	V0.1
May 2007	V0.2

®2005 All Rights Reserved. Published in Taiwan

Warning!

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

Electric Shock Hazard – Do not operate the workstation with its back cover removed. There are dangerous high voltages inside.

Disclaimer

This information in this document is subject to change without notice.

Table of Contents

Warning!……2
Disclaimer……2

Chapter 1 Getting Started

1.1 Features……4
1.2 Specifications……4
1.3 Dimensions……7
1.4 Brief Description……8

Chapter 2 OSD

2.1 Front Panel Controls……9
2.2 OSD Controls……9
2.3 Main Menu……10
2.4 AD Board (TB-6020) OSD Functions……12

Figures

Figure 1.1: Dimensions of EX-91121……6
Figure 1.2: Front View……8
Figure 1.3: Rear View……8
Figure A: Panel-mounting……13
Figure B: Rack-mounting (optional)……13
Figure C: VESA 75-mounting……14

Appendix

Panelmounting……13
Rackmounting……13
VESA75mounting……14

Chapter 1

1.1 Features

Display:
12.1” TFT SVGA LCD

Luminance:
300 cd/m^2

Front Panel Compliance:
NEMA 4/IP 65 rating

Mounting Type:
Wall-mount screw holes

Touch Screen:
Resistive (optional)

I/O Port:
VGA, DVI (optional), Composite Video and S-Video (optional)

Resolutions:
Wide-ranging resolutions from 640x480 to up to 1600x1200 with auto phase and auto position

1.2 Specifications

Display

TFT LCD:
12.1” SVGA

Luminance:
300 cd/m^2

Viewing Angle:
120(H) x 95(V) degrees

Resolution:
800 x 600

Maximum Colors:
262K colors

Backlight Lifetime:
2 CCFL tubes (50,000 hours)

Touch Screen:
Resistive and antiglare

OSD Controls/Indicators:
Automatic screen, setup (OSD), brightness, contrast, horizontal/vertical position, image lock, color balance, video information, power on and sync detected

OS Compatibility:
Win 95/98, XP, 2000, NT 4.0, QNX, Linux

Environment

Operating Temperature:
0~50˚C (32˚~122˚F)

Storage Temperature:
-20~60˚C (-4˚~140˚F)

Relative Humidity:
10~90% @40˚C non-condensing, without touch screen

Vibration:
1g peak, 5~500Hz (at random)

Shock:
15G peak acceleration (11msec. duration)/operation

Front Panel Compliance:
NEMA 4/12, IP65 rated

Certifications:
CE, FCC Class A

Mechanical

Construction:
Steel chassis, plastic front bezel

External Power Input:
12V AC or 12~24V AC (optional)

Power Supply:
90V~240V, 50~60Hz, 1.5A (max.)

Dimensions
317(W) x 52.8(D) x 243(H) mm

Weight:
2.62kg

Mounting Type:
Panel/VESA 75

1.3 Dimensions

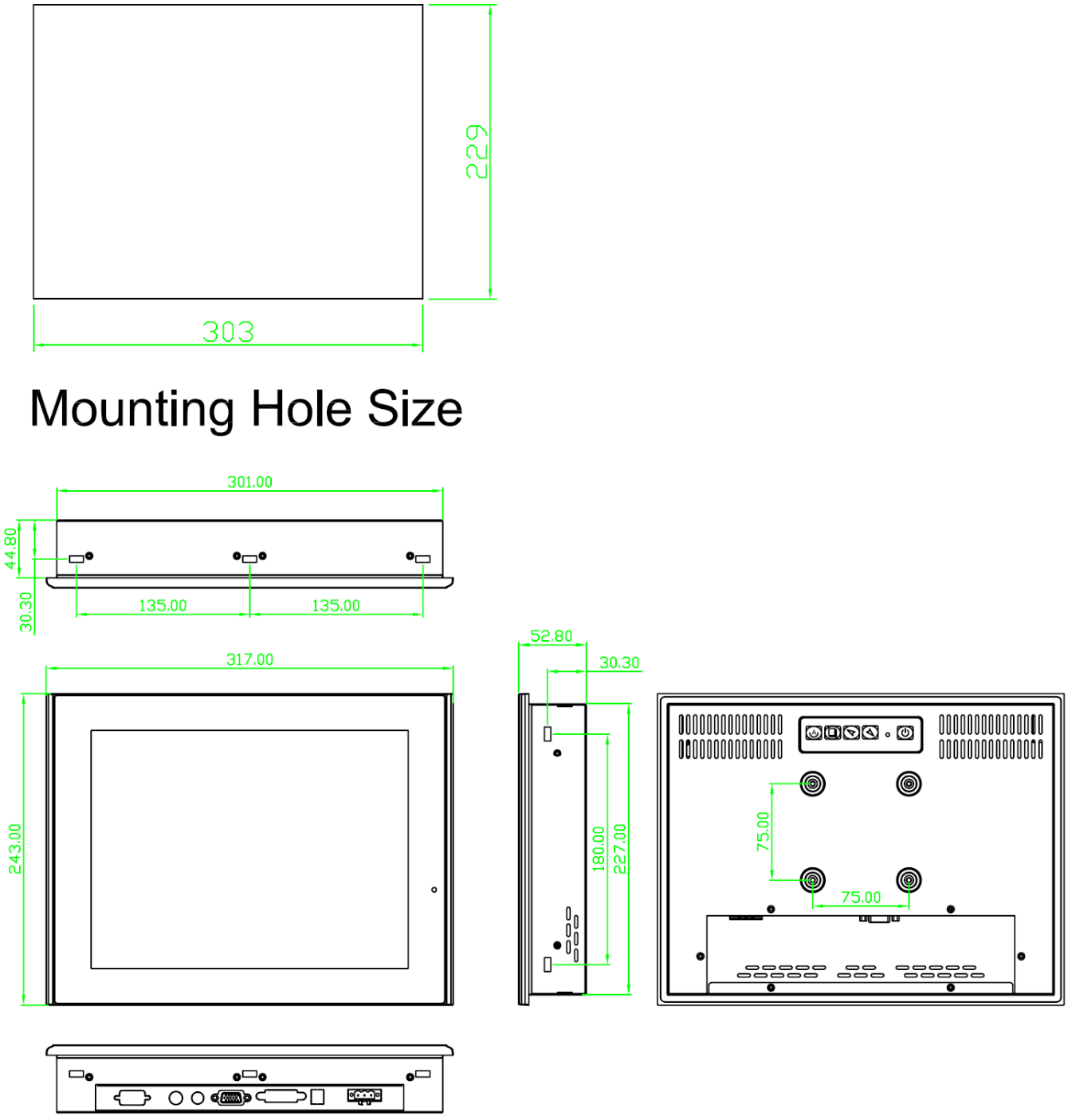


Figure 1.1: Dimensions of the EX-91121

1.4 Brief Description of the EX-91121

The EX-91121 display monitor is compact and thus, it is ideal for monitoring and control applications. It comes with an optional touch screen, making operation more convenient and faster. The front panel of the display monitor is sealed with gasket for the NEMA 4/IP 65 compliance when it is panel-mounted in a NEMA rated cabinet or enclosure.

Chapter 2

2.1 Front Panel Controls

Power switch: To turn ON or OFF the power

Shift the icon to the right side or shift it up

Shift the icon to the left side or shift it down

Menu: To enter OSD menu for related icon and item.

Auto Button: One-touch auto adjustment

2.2 OSD Controls

To make any adjustment, select the following:

1. Press (Menu) to show the OSD menu or disable the OSD menu.
2. Select the icon that you wish to adjust with the (/ or +/-) key in the menu.
3. Press (Menu) and then choose the item with the (/ or +/-) key.
4. Press (Menu) and then adjust the quality with the (/ or +/-) key.

2.3 Main Menu

In the **Main** menu, there are the following items:

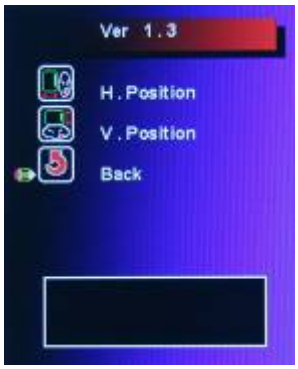
- Color
- Image Setting
- Position
- OSD Menu
- Language
- Misc
- Exit

For **Color**, check out the following:

- Contrast
- Brightness
- Color Adjust
- Color Temp
- Back

For **Image setting**, check out the following:

- Clock
- Phase
- Gamma
- Sharpness
- Back



In the **Position**, there are the following:

- H. Position
- V. Position
- Back

In the **OSD** menu, there are:

- OSD H. Pos.
- OSD V. Pos.
- OSD Timer
- Back

In the **Language** menu, there are:

- English
- Frances
- Germany
- Spanish
- Traditional Chinese
- Simplified Chinese
- Japanese

In the **Misc** menu, there are:

- Signal Source
  Select VGA: Analogue VGA Input
  Select DVI: Digital DVI-D Input
  Select AV: Composite Video Input
  Select SV: S-Video Video Input
- Reset
- Back

2.4 AD Board (TB-6020) OSD Functions

1.) Getting into Burn-in Mode

Before setting into a burn-in mode, first disconnect the AC power cord. Then press (don't let them go) the buttons until the AC power cord is connected and the "RGB" appears on the top left corner of your screen. Now it can be put into the burn-in mode for changing colors.

2.) Getting Out of Burn-in Mode

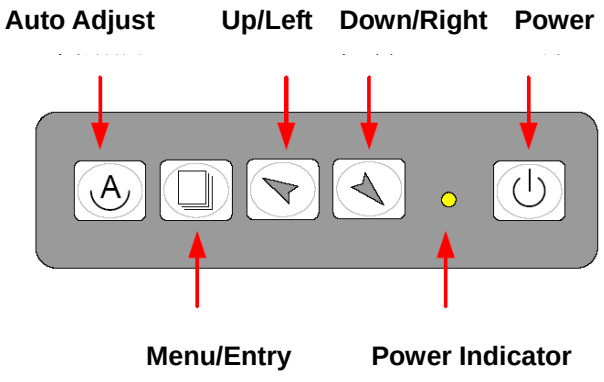
Before getting out of the burn-in mode, please first disconnect the AC power cord. Then press the button (If not workable, press the button and don't let them go) until the AC power cord is connected. Please don't let your fingers go until the AC power cord is connected again and the wording of "RGB" appears on the top left corner of your screen, and wait for 3 second. Under the non-signal entry situation, if **Cable Not Connected** is seen, exit is thus successfully made.

When the Burn-in Mode is Unable to Eradicate…

1.) If the "RGB" is still on the top left corner of the screen, press to enter "Miscellaneous" and choose "Reset", and then **Yes,** and press . When the screen goes black, disconnect power and repeat the above steps.

2.) If the "RGB" is not found, disconnect the AC power cord first. Then press the buttons (don't let them go) until the AC power cord is connected, and wait for 2 to 3 seconds. When "RGB" appears, repeat the above steps.

3.) Functions of OSD Keys



Appendix

Panel Mounting

The EX-91121 display monitor is designed to be panel-mounted as shown in Figure A. Just carefully place the unit through the hole and tighten the given 8 screws from the rear to secure the mounting.

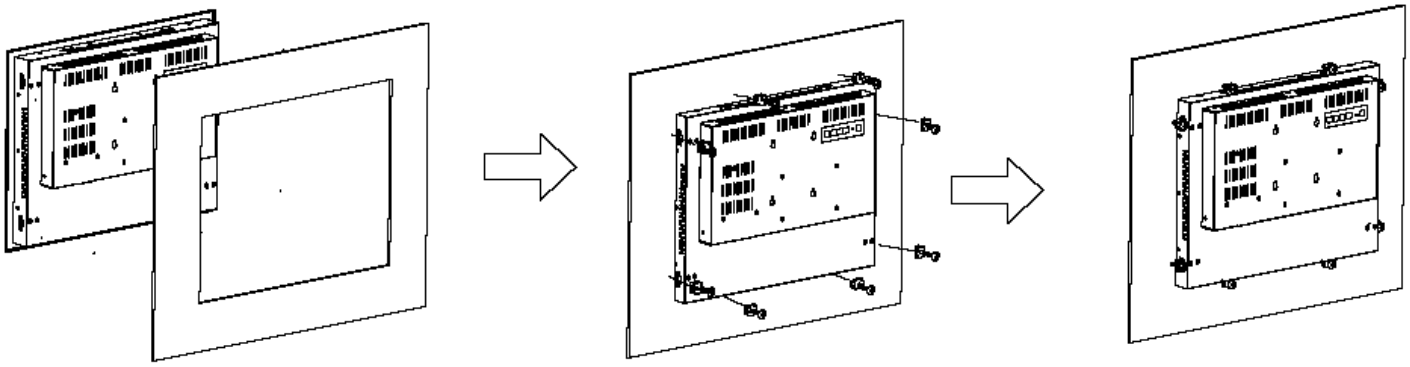


Figure A: Panelmounting of the EX-91121

Rack Mounting (optional)

The EX-91121 display monitor can be rack-mounted as an option. Just carefully slide it into the rack and tighten the given 8 screws from the front to secure the mounting as shown in Figure B.

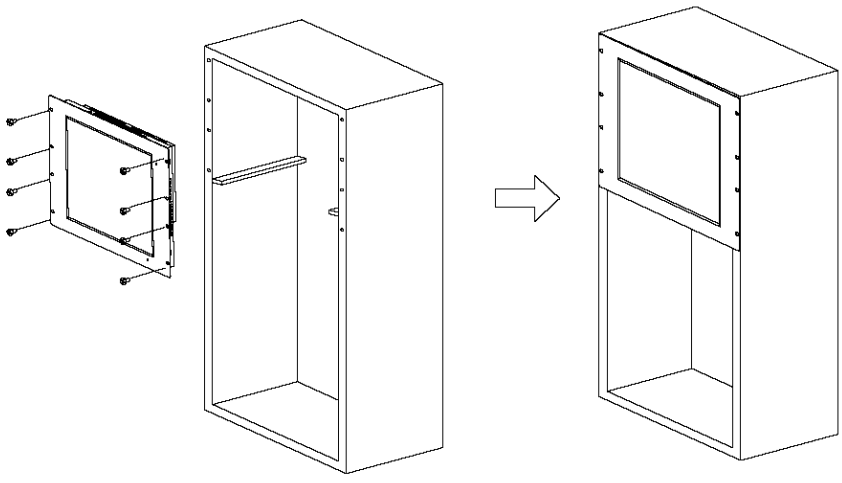


Figure B: Rackmounting of the EX-91121

VESA 75 (optional)

The EX-91121 display monitor can be VESA 75-mounted as an option. Just accurately put a monitoring arm right behind the unit where the four holes are and tighten the four given screws as shown in Figure C.

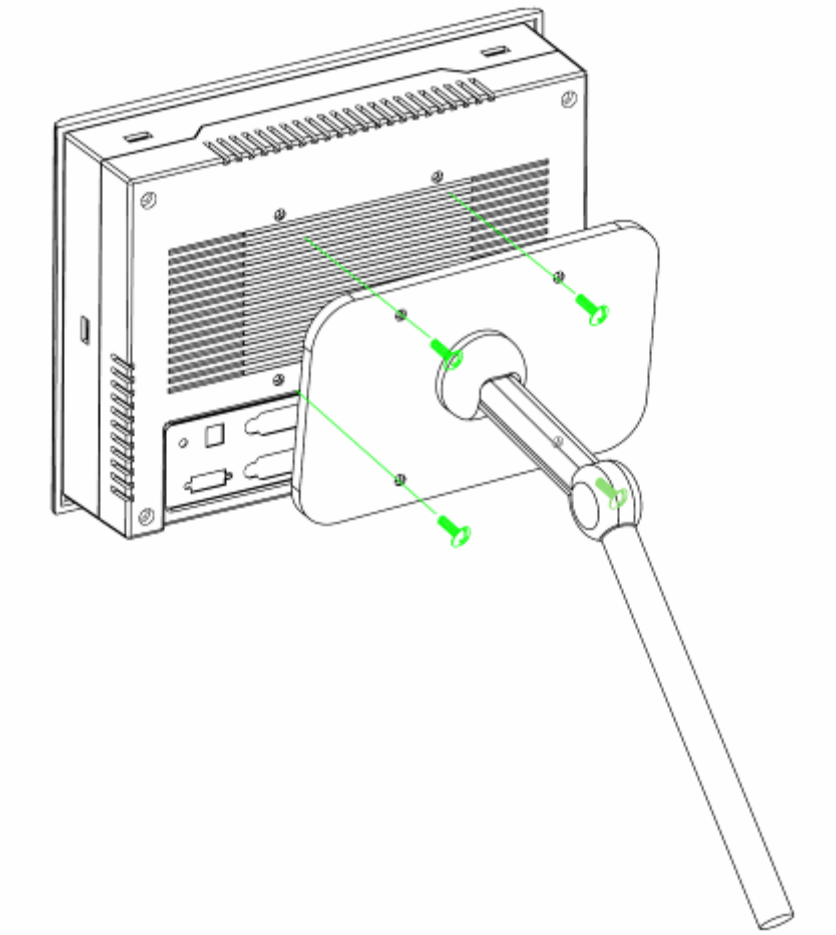


Figure C: VESA 75mounting of the EX-91121